

**INTERNATIONAL SEARCH REPORT**

International application No. PCT/JP2004/010507
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**A. CLASSIFICATION OF SUBJECT MATTER**  
Int.Cl<sup>7</sup> A47L13/16, A47L13/18

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> A47L13/16, A47L13/18, A47L13/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004  
 Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-369783 A (Uni-Charm Corp.), 24 December, 2002 (24.12.02), Full text; all drawings & EP 1299026 A2 & US 2002/0148061 A1	1-8
Y A	JP 8-154881 A (Azuma Kogyo Kabushiki Kaisha), 18 June, 1996 (18.06.96), Par. No. [0011]; all drawings Par. No. [0011]; all drawings (Family: none)	1, 2, 4-8 3
Y	JP 9-149873 A (Uni-Charm Corp.), 10 June, 1997 (10.06.97), Par. Nos. [0009] to [0011]; all drawings & EP 0777997 A3	4-6

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
12 October, 2004 (12.10.04)

Date of mailing of the international search report  
02 November, 2004 (02.11.04)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/JP2004/010507**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-265389 A (Uni-Charm Corp.), 24 September, 2003 (24.09.03), Par. Nos. [0053], [0060] to [0066]; all drawings & EP 001363526 A1 & US 2004/0016074 A1	4, 7, 8
Y	JP 3053594 Z1 (Kabushiki Kaisha Enzeru Moppu), 19 August, 1998 (19.08.98), Full text; all drawings (Family: none)	8